

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re NEW PATENT Application of)
Peter RAUZNITZ et al.)
Application No. (To Be Assigned)) **MS Patent Application**
Filed: March 10, 2004)
For: PIEZOELECTRIC FUEL INJECTION)
SYSTEM WITH RATE SHAPE)
CONTROL AND METHOD OF)
CONTROLLING SAME)

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure as set forth in 37 C.F.R. §1.56, Applicants hereby submit the following information in conformance with 37 C.F.R. §§ 1.97 and 1.98. Pursuant to the PTO notice dated July 11, 2003 waiving the requirement under 37 CFR §1.98 (a)(2)(i) for submitting copies of each cited U.S. Patent for all U.S. national patent applications filed after June 30, 2003, copies of the U.S. documents cited are not submitted herewith.


A discussion of U.S. Patent No. 5,819,704 to Tarr et al., U.S. Patent No. 5,779,149 to Hayes, Jr. and U.S. Patent No. 6,253,736 to Crofts et al. is given in the specification at pages 1-3.

This Information Disclosure Statement is not intended to constitute an admission that any patent, publication, or other information referred to herein is "prior art."

It is requested that the accompanying Information Disclosure Statement be considered and made of record in the above-captioned application. To assist the

Examiner, the documents are listed on the attached Form PTO-1449. It is respectfully requested that an Examiner initialed copy of this form be returned to the undersigned.

Respectfully submitted,

A handwritten signature in black ink, appearing to be 'T. Brackett, Jr.', written over a horizontal line.

Tim L. Brackett, Jr.
Registration No. 36,092

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Date: March 10, 2004

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>			Complete if Known		
			Application Number		
			Filing Date	March 10, 2004	
			First Named Inventor	Peter RAUZNITZ	
			Group Art Unit		
Examiner Name					
Sheet	1	of	1	Attorney Docket Number	740270-2873

U.S. PATENT DOCUMENTS					
Examiner Initials ¹	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
		US - 5,057,734	10-15-1991	Tsuzuki et al.	
		US - 5,694,903	12-09-1997	Ganser	
		US - 5,779,149	07-14-1998	Hayes, Jr.	
		US - 5,819,704	10-13-1998	Tarr et al.	
		US - 5,860,597	01-19-1999	Tarr	
		US - 6,062,489	05-16-2000	Tokumaru	
		US - 6,062,533	05-16-2000	Kappel et al.	
		US - 6,082,332	07-04-2000	Hefler et al.	
		US - 6,196,472 - B1	03-06-2001	Cooke	
		US - 6,213,098 - B1	04-10-2001	Kato et al.	
		US - 6,253,736 - B1	07-03-2001	Crofts et al.	
		US - 6,296,197 - B1	10-02-2001	Boecking	
		US - 6,308,689 - B1	10-30-2001	Augustin	
		US - 6,499,467 - B1	12-31-2002	Morris et al.	
		US - 6,557,530 - B1	05-06-2003	Benson et al.	
		US - 6,557,776 - B2	05-06-2003	Carroll, III et al.	
		US -			
		US -			
		US -			
		US -			

FOREIGN PATENT DOCUMENTS						
Examiner Initials ¹	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				

Examiner Signature		Date Considered	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04.

³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

NOTICE TO INVENTOR

DUTY OF DISCLOSURE AND INVENTORSHIP

TO: **Peter Rauznitz, John D. Crofts, and Lester L. Peters**
FROM: Daniel S. Song
DATE: February 5, 2004
SUBJECT: **PIEZOELECTRIC FUEL INJECTION SYSTEM WITH RATE SHAPE
CONTROL AND METHOD OF CONTROLLING SAME**

Enclosed please find the draft of your patent application.

Before executing the application, you should know that the U.S. Patent and Trademark Office (Patent Office) imposes a duty of good faith and candor on inventors. Included is the duty to disclose all information you know of that is material to the patent application.

"Information" is considered material by the Patent Office if it, taken by itself or in combination with other information, could show unpatentability when the claims are given their broadest reasonable interpretation or could be considered inconsistent with a position taken by the applicant(s) to show patentability. "Information" must be forwarded to the Patent Office despite the fact that other information could establish patentability, such as commercial success data or comparative test results. Some examples of such "information" are:

- prior published patents, articles, product announcements, technical reports, or lectures;
- evidence that the claimed invention was in public use, demonstrated publicly, or on sale more than one year before the filing date of the U.S. application;
- information that the claimed invention was made in the U.S. by someone other than the inventor named in the application; and
- related pending patent applications known to you.

Materiality of information of the type exemplified by, but not limited to that listed above, is measured by the scope of the claims in an application, particularly the broadest claims. Therefore, your attention is particularly directed to claims 1, 8, 16, 22, and 31, which you should carefully read and fully understand.

To comply fully with the duty of disclosure imposed by the Patent Office, you should notify us of any further material information pertinent to the claimed invention which would add to the prior art discussed in the Background Art section of your application.

If you first have any questions regarding your application, the scope of the claims therein, or your obligations as an inventor, call me as soon as possible. Additionally, the correct inventors must be named in a patent application.

An inventor is defined as one who conceives of the solution to a problem; the solution is the invention. The invention is legally defined in the claims of the patent application which are located at the end of the application. Please make sure you understand the claims and contact us if you have any questions. As further guidance regarding inventorship, an inventor must make some contribution to the inventive thought and final result, although conception of the entire solution is not required. Merely suggesting a desired result without suggesting means for attaining the result, or merely following the instructions or directions of others is insufficient. Joint inventors need not work physically together with each other although some form of collaboration between joint inventors during development of the invention is required. Joint inventors need not make identical contributions nor contribute to the subject matter of every claim, but an inventor must contribute to the subject matter of at least one claim. If you are still unclear as to who is an inventor, please contact us.

ACKNOWLEDGMENT

I am aware that the Patent and Trademark Office has imposed on inventors a duty of good faith and candor, including a duty to disclose any material information relating to my application. I am also aware that only the correct inventors may be named as such. I hereby acknowledge that, to the best of my knowledge and belief, I have disclosed to Daniel S. Song, all such material information.

Feb. 17, 2004

Date

Peter Rauznitz

Peter Rauznitz

Feb. 17, 2004

Date

John D. Crofts

John D. Crofts

Feb 20, 2004

Date

Lester L. Peters

Lester L. Peters

Please return this acknowledgment, along with the executed patent application, promptly. If you first have any questions regarding your application, the scope of the claims therein, or your obligations as an inventor, call me as soon as possible.